

A Brief Introduction to **Harmonization**

London Workshop

April 19, 1999

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What might we be trying to harmonize?

- **Nothing**
 - in this case modularization still may be useful for the AP developers
- **Interpretation**
 - this is the AP Interoperability requirements
- **ARM and interpretation**
 - common, harmonized requirements
- **Scope, ARM and interpretation**
 - allows use of existing module without overlaps

What are the stages of development?

- **AP/AM developers create “planning model” and scope statements**
 - this planning model is continually updated to identify potential overlaps and dependencies
- **AP/AM developers create ARM**
 - this may be harmonization of requirements in existing APs
- **AP/AM developers create mapping**
 - selection of IR constructs and creation of module specific constructs
- **AP/AM developers agree to standard data**

What process has been employed?

- **The Harmonization Workshop**
 - **AM teams and Harmonization team meet together**
 - **AM teams present planning model to other AM teams and Harmonization team**
 - **overlaps and dependencies are identified**
 - **issues are raised on scope**
 - **AM teams break out to work individually to harmonize overlaps and dependencies**
 - **areas of disagreement identified**
 - **AM teams present updated planning model, open technical issues and areas of disagreement to other AM teams and Harmonization team**

Deliverables of workshop

- **Input**
 - planning model diagrams
 - scope statements
 - draft modules - scopes, ARMs and mappings
 - modules catalogue and framework
- **Output**
 - updated Inputs
 - open issues
 - better educated teams
 - plans for next actions

Benefits to this approach

- **The real experts are working the issues**
- **Time set aside for big picture and small details**
- **Brings focus to team efforts**
- **Harmonization team can help arbitrate disagreements**
- **Adds to knowledge of big picture for everyone**

Negatives to this approach

- **4-5 day workshop is hard to coordinate**
- **Resource intensive**
 - typically two people from each project
- **Requires travel by many teams**
- **While big picture education is useful, in fact everyone is not interested in everything**
- **In many cases, AM teams have had time to come prepared for the workshops**